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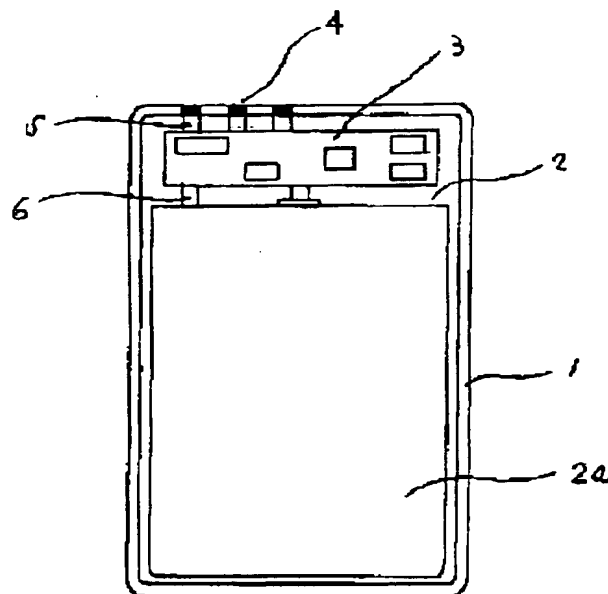
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 TITLE : BATTERY DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To prevent the wrong operation by adhesion of nonaqueous electrolyte, leakage current, short circuit and heating and improve the reliability by covering a battery metal case, a conductive connector and the conductor exposed part of an electronic circuit with a nonaqueous electrolyte-resisting and water resisting insulating film.

SOLUTION: A nonaqueous electrolytic battery 2 and an electronic circuit 3 are housed in a synthetic resin box body 1, and the electronic circuit 3 is connected to an external terminal 4 by a conductive connector 5. The battery 2 is connected to the electronic circuit 3 by a conductive connector 6. The electronic circuit 3 has an overcharge preventing circuit, a discharge control circuit, an over discharge preventing circuit, an external short circuit detecting circuit, and a temperature detecting circuit. The battery 2 has an internal pressure releasing mechanism operated when the battery internal pressure is abnormally high. The metal case 2a for conductive exposed part of the battery 2, the conductive connectors 5, 6 and the conductor exposed part of the electronic circuit are covered with a nonaqueous electrolyte-resisting and water resisting film. The malfunction caused by adhesion of nonaqueous electrolyte, leakage current, short circuit by metal deposition in electrodeposition reaction, or heating of the electronic circuit is prevented to improve reliability.

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